



**Fleetwood Urban District Council  
and Port Sanitary Authority.**

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**REPORTS**

ON THE

Sanitary Conditions of Fleetwood  
and Port.

DURING THE YEAR 1918,

BY


**D. M. GILL, M.B., C.M.,**

*Medical Officer of Health.*

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**Fleetwood :**

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# Fleetwood Urban District Council.

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## MEDICAL OFFICER'S REPORT.

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TO THE CHAIRMAN AND MEMBERS OF THE FLEETWOOD  
URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have the pleasure to present the Annual Report for the year ending 31st December, 1918.

**Area in Statute Acres.....2,848 Acres.**

The District is divided into three Wards.

### Area of Wards.

				Acres.
East Ward	...	...	...	61
Central Ward	...	...	...	62
West Ward	...	...	...	2725
				<hr/>
				2848
Sea Area (West Ward)	...	...	...	3244
				<hr/>
<b>Total</b>	...	...	...	6092

By an Order of the Local Government Board the usual Statistical Tables have been withdrawn.

At the request of the above Board, the Registrar-General has supplied data of estimated populations to the middle of 1918 for calculation of the Birth and Death Rates, together with other data, for the more correct compilation of the Report.

**The Birth Rate** is based on a population of **16,858**

**The death Rates** are based on a population of **15,046**

### **BIRTHS.**

**Boys, 168.**

**Girls, 155.**

**Total—323.**

### **Ward Distribution.**

			Boys		Girls		Total
East Ward	...	...	42	...	38	...	80
Central Ward	...	...	48	...	39	...	87
West Ward	...	...	78	...	78	...	156
			<hr/>		<hr/>		<hr/>
			168		155		323

The birth-rate per 1000 of the population is **19.16**, the actual number of births being the same as that for the previous year.

The birth-rate per 1000 of the population for the whole of England and Wales was **17.7**.

### **Illegitimate Births.**

There were **20** illegitimate births, giving a percentage of **6.19** of the total births. In 1917 the number was 18.

### **DEATHS.**

**Males, 140.**

**Females, 125.**

**Total—265.**

The corrected number of deaths was 265 ; there were 18 inward transfers and 15 outward transfers.

The death-rate per 1000 was **17.61**, as compared with **11.28** for 1917.

### Table of Deaths in the Several Wards.

		Males	Females	Total
East Ward	...	40	38	78
Central Ward	...	44	35	79
West Ward	...	59	49	108
		143	122	265

### The Mortality from All Causes at Subjoined Ages.

All Ages	0-1 yrs	1-2 yrs	2-5 yrs	5-15 yrs	15-25 yrs	25-45 yrs	45-65 yrs	65 & over
265	31	16	22	21	14	48	68	45

### Infantile Mortality

The number of deaths occurring among infants under one year of age was **31** (6 more than 1917), giving a death-rate of **95.97** per 1000 births.

The rate for England and Wales was **97** per 1000 births.

### Deaths from Zymotic or Chief Epidemic Diseases.

Measles	...	...	...	...	7
Whooping Cough	...	...	...	...	4
Diphtheria	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years)					3
					15

These give a death-rate of **0.99** per 1000, compared with 0.61 in 1917, and 1.42 in 1916.



## Pulmonary Tuberculosis.

The number of deaths was 22, and from other forms of Tuberculosis 8.

## Respiratory Organs.

The deaths numbered 50, giving a death-rate of 3.32, as compared with 1.76 last year, and included those from Bronchitis (16) and Pneumonia (29).

## Infectious Diseases Notified for 1918.

	Cases	Cases Removed to Hospital
Diphtheria ... ..	13	3
Erysipelas... ..	21	—
Scarlet Fever ... ..	21	19
Puerperal Fever ... ..	1	—
Ophthalmia Neonatorum ...	3	—
Pulmonary Tuberculosis	28	—
Tuberculosis—Other Forms ...	8	—
Measles ... ..	522	—
	<hr/> 617	<hr/> 22

## Infuenza.

The number of deaths from Influenza occurring in the district was 57, 27 males and 30 females.

The first appearance of the epidemic was about the second week in June, and from this date up to the end of July there were 10 deaths.

Very few cases were reported during August and September but in October the epidemic re-appeared and Influenza continued prevalent up to the end of the year, November being the worst month.

The period of Incubation varied from one to three days. Generally, persons who contracted the disease during the Summer epidemic did not again suffer from it during the outbreak in Autumn. The occurrence of second attacks was rare.

All districts, classes, and ages were equally affected.

The principal complications were affecting the respiratory organs ; Pneumonia being the most frequent.

Posters, giving precautionary advice, were issued and placed on the hoardings ; and in public buildings and schools. The elementary schools in the district were closed from 29th June to 14th July, and from 7th December to the end of the year.

The proprietors of houses of entertainment were communicated with, and suggestions as to the better ventilation and cleanliness of their premises were made and carried out.

During the period of school closure, children under fourteen years of age were excluded from places of entertainment.

**Water Supply.**—Good and sufficient.

**The Sewering and Scavenging** have been well and regularly carried out.

**Milk Supply.**—The Dairies, Milkshops and Cowsheds have been visited, and the conditions have been fairly satisfactory.

**The Education (Administration Provisions) Act, 1907**

All the Public Elementary Schools in the district were closed on account of Influenza, on two occasions, viz :—

From 29th June to 14th July, 1918.

From 7th December to the end of the year.

The reports of the Sanitary Inspector (Mr. T. R. Bailey) for the Urban District and the Port are appended. I again wish to thank him, and Miss L. Ormerod, for their great assistance during the year.

I am, Gentlemen,

Your obedient servant,

D. M. GILL,

Medical Officer of Health.



**Table showing the number of Deaths from Influenza, during each week of the year 1918.**

Week Ending		No. of Deaths	Week Ending		No. of Deaths
January	5	—	July	6	4
"	12	—	"	13	3
"	19	—	"	20	—
"	26	—	"	27	1
February	2	—	August	3	—
"	9	1	"	10	—
"	16	—	"	17	—
"	23	—	"	24	—
March	2	—	"	31	—
"	9	—	September	7	1
"	16	—	"	14	1
"	23	—	"	21	—
"	30	—	"	28	1
April	6	—	October	5	—
"	13	—	"	12	—
"	20	—	"	19	1
"	27	—	"	26	1
May	4	—	November	2	4
"	11	—	"	9	4
"	18	—	"	16	6
"	25	—	"	23	8
June	1	—	"	30	9
"	8	—	December	7	3
"	15	—	"	14	2
"	22	—	"	21	4
"	29	2	"	28	1
			Period to	31	—

**Table showing the Age and Sex Distribution of the Deaths from Influenza.**

Totals	0-1 yrs.	1-2 yrs.	2-5 yrs.	5-15 yrs.	15-25 yrs.	25-45 yrs.	45-65 yrs.	65 & over
Males 27	3	2	1	—	2	12	6	1
Females 30	—	—	2	4	4	10	6	4

# Report of the Inspector of Nuisance's

## For the Year 1918.

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TO THE CHAIRMAN AND MEMBERS OF THE COUNCIL.

GENTLEMEN,

I beg to present to you a summary of the work done by the Sanitary Department during the year 1918.

It has not been possible to maintain routine work in all directions, owing to extra duties. Urgent matters respecting infectious diseases, food inspection, and nuisances have been given proper attention. Great difficulty has been met, with respect to structural repairs, owing to shortage of labour and materials.

The number of visits made during the year was 2,498 as compared with 2,484 in 1917, and 3,210 in 1916.

A summary of the visits is given, viz :—

Visits to Nuisances	...	...	...	224
Re-visits or visits to work in hand	...			155
Miscellaneous Visits	...	...	...	270
Visits to Manure Receptacles	...	...		28
Visits re Infectious Diseases	...	...		771
Visits to Common Lodging Houses	...			16
Visits to Factories and Workshops	...			27
Visits to Cowsheds, Dairies & Milkshops				12
Visits to Public Slaughter House	..			343
Visits to Food Shops	...	...	...	71
Visits re Food Control Orders	...	...		461
Visits to Bakehouses	...	...	...	4
Visits re Pig-Keeping	...	...	...	99
Visits re Refuse Collection and Salvage				17

## Removal of Nuisances.

The number of complaints received respecting alleged nuisances was 96. As is usual some related to matters which could not be dealt with under the Public Health Acts, as cock-crowing, dogs barking, etc.

As a result of enquiries respecting complaints, visits re Infectious Diseases and Inspection of Common Lodging-Houses, Workshops, etc., 220 nuisances were found to exist on 181 premises.

Preliminary notice to abate the nuisance was given in each case, 79 being written notices, and 102 verbal. Seven statutory notices were issued, but no legal proceedings were required to enforce them.

The following table gives a classified list of the nuisances occurring and for which a preliminary notice was given.

### DRAINAGE. :—

Choked drains ...	...	...	...	...	49
Defective drains	...	...	...	...	7

### WATER CLOSETS :—

Choked or defective W.C.'s	...	...	...	5
Defective flushing cisterns	...	...	...	8
Defective water supply	...	...	...	20
Defective soil pipe	...	...	...	1
Defective walls, roof, etc	...	...	...	7
Defective flush pipe connection to hopper...				2
Defective privy receptacles	...	...	...	1

### DWELLING HOUSES ;—

House infested with rats	...	...	...	1
Rooms with defective floors	...	...	...	5
Rooms damp from defective walls or roof...				6

Rooms damp from choked condition of downspout ... ..	12
Rooms with badly defective plaster ...	3
Dirty yard surface ... ..	4
Offensive accumulations about houses ...	2
Defective water supply ... ..	3
Defective sink or sink waste pipe ... ..	7
Defective yard paving ... ..	5
Defective windows or doors ... ..	2
Swine improperly kept ... ..	3
Insufficient refuse receptacle... ..	31

#### FACTORIES AND WORKSHOP :—

Walls and ceiling of workroom requiring Lime-washing ... ..	1
Windows not hung so as to open ... ..	1
Doors of sanitary conveniences without inside fastenings ... ..	1
Sanitary conveniences insufficiently lighted	1
Insufficient sanitary conveniences ... ..	1
Abstract not exhibited in bakehouse ...	1
Bakehouse swarmed with flies ... ..	1
Bakehouse yard in dirty condition ... ..	2
Accumulation of refuse at bakehouse ...	1

#### MISCELLANEOUS :—

Choked street gullies ... ..	12
Offensive smell from sewer manhole with open cover ... ..	2
Accumulation of stable manure ... ..	4
Smoke nuisance ... ..	2
Bodies of animals on foreshore or vacant lands	1
Various... ..	5

## **Housing and Town Planning Act, 1909.**

Routine work under this Act was suspended during the whole year, any defects found being dealt with as nuisances.

### **Infectious Diseases.**

Visits to the number of 771 were made to cases of Infectious Diseases, the great proportion being enquiries re Measles. During the months of April, May and June, 850 school notices and certificates were issued with reference to cases of Measles.

Disinfection has been carried out as in previous years by spraying the infected rooms with formalin and fumi-gating with formalin gas ; and treating infected bedding and clothing by steam at the Town Yard.

During the year 53 houses and 562 articles were disin-fected.

The special arrangements as to co-operation with the Military Authorities have been carried out. Disinfection was carried out on 36 occasions and 1,549 articles of military clothing or bedding were disinfected.

### **Food Inspection**

Three hundred and forty-three visits were made to the Public Slaughter-house, and 71 visits to other premises where foods are prepared or sold (not including fish-curing houses).

The number of animals slaughtered at the Public Slaughter-house was : 691 Beasts, 4,413 Sheep, 101 Calves, and 402 Pigs.



One cow, one calf, and four ewes were slaughtered on farms on account of injury or sickness. The carcass and organs of the cow and calf were afterwards brought to the Slaughter-house.

The following list gives the quantities of food-stuffs destroyed as unfit for human food.

#### FROM THE SLAUGHTER-HOUSES.

For Tuberculosis: 4 cow carcasses and all organs, 1,327 lbs.; 2 heifer carcasses and all organs, 916 lbs.; one part carcass, 56 lbs.; 4 briskets, 55 lbs.; 5 beast heads, 147 lbs.; viscera of 11 beasts; 39 lungs; 3 livers; 1 diaphragm; one tripe, and intestines of one beast; 1 calf and all organs, 118 lbs.

Pigs—1 carcass and all organs, 190 lbs.; 6 heads, 98 lbs.; 2 viscera; 13 lungs; 13 livers.

Other Diseases: Beasts—One cow carcass and all organs, 640 lbs.; 141 lbs. beef; 5 lungs; 10 livers.

Sheep—5 sheep and all organs, 125 lbs.; 32 lungs; 32 livers.

Pigs—2 Pigs and all organs, 140 lbs.; 5 lungs; 4 livers; 1 intestine; 1 pluck.

From the market and other premises, the following:—  
4 six-pound tins of Corned Beef; 54 lbs. of Bread,

By the courtesy of the Superintendent of Police, the following particulars of the samples taken by the County Police under the Food and Drugs Act, in Fleetwood, during the year 1918 are given:—

Milk—31 Samples ; Coffee, 5 ; Custard Powder, 3 ; White Pepper, 3 ; Baking Powder, 2 ; Epsom Salts, 3 ; Ground Ginger, 3 ; Rice, 1 ; Ground Rice, 1 ; Pearl Barley, 1 ; Oatmeal, 2 ; Cocoa, 1 ; Ground Almonds, 1 ; Lemon Cream, 1.

All with the exception of one sample of Milk which was slightly deficient in fats, were found to be as genuine as possible.

### **Refuse Collection.**

The collection of refuse is carried out by your Authority over the whole of the district. A few houses on the outskirts of the district, from which the refuse collection was made by contractors, are now dealt with by the Council. The collection from dust-bins is carried out weekly ; from the ash-pits once in three weeks. There are no privy middens in the area.

It has been very difficult to maintain the work to the usual standard, by reason of labour shortages, but no serious delay occurred.

The work done in this department was as follows:—171,798 dust-bins, 960 ash-pits, and 660 privy receptacles were emptied, and  $30\frac{1}{2}$  loads of trade refuse were dealt with. In all, 2,071 loads of refuse were removed—1,652 loads to the Destructor and 419 loads were tipped—weighing approximately  $3,106\frac{1}{2}$  tons.

The amount of trade refuse was very small, owing to waste paper, etc. finding a ready market. The trades' people sold direct to dealers. Now, the market for this material is very poor, and the refuse is being sent to the Town Yard for the Council to deal with.

### **Waste Paper.**

The separate collection of waste paper was carried out throughout the year. The weight collected was 19 tons 14 cwts. 3 qrs., and the amount realised was £112-17-6. The bonus paid to workmen for collection was £51-3-9. nett profit was £30-9-3. It was not possible to sort this waste, on account of lack of space and labour, or a higher profit could have been realised.

### **Pig-Keeping.**

Pig feeding was continued throughout the year. The amount of refuse food collected was 29,000 lbs. approximately. The number of pigs kept varied from 16 to 28. During the year 4,050 lbs. of pork were sold to local butchers. The profit on the year's work was approximately £90.

### **Factories and Workshops**

The number of visits to Factories and Workshops during the year was 58; 17 to Factories and 41 to Workshops. These figures include the inspections made in the Port District as recorded in the Port Sanitary Report.

I am, Gentlemen,

Your obedient servant,

T. R. BAILEY,

Inspector of Nuisances.

# Summary of the Sanitary Inspectors' Monthly Reports for Year ending December 31st, 1918.

MONTH, 1918.	Rainfall	Complaints	Visits	Nuisances	NOTICES		INFECTIOUS DISEASES			REFUSE COLLECTION			ANIMALS SLAUGHTERED AT ABATTOIRS			
					Written	Verbal	Removed to Hospital	Rooms Disinfected	Articles Disinfected	Dust-bins Emptied	Ash-pits Emptied	Privies Emptied	Beasts	Sheep	Calves	Pigs
January ...	inches 3·38	10	220	22	12	8	—	9	10	15667	86	52	74	207	1	18
February ...	3·37	9	164	24	8	11	1	6	48	13539	87	51	57	91	5	20
March ...	1·42	11	191	17	—	12	1	3	6	14232	85	46	83	38	24	30
April ...	1·34	5	224	15	4	11	—	7	31	14788	58	51	54	4	14	29
May... ..	2·57	11	349	24	15	4	1	—	15	15209	84	46	10	121	12	34
June ...	1·65	8	438	25	11	8	12	8	190	13598	48	51	35	351	11	33
July... ..	3·77	8	294	23	5	16	—	3	12	15326	96	59	43	811	7	27
August ...	3·39	5	149	19	8	9	1	4	84	14155	97	64	48	836	4	27
September ...	9·19	11	163	17	6	8	—	—	—	13825	89	59	47	694	—	31
October ...	3·41	8	182	22	6	9	3	8	65	14747	85	59	90	527	—	27
November ...	2·75	4	88	6	3	3	1	10	72	13936	92	59	80	452	8	44
December ...	6·62	6	36	6	1	3	2	6	29	12776	51	63	70	281	15	82
TOTALS ...	42·86	96	2498	220	79	102	22	64	562	171798	958	660	691	4413	101	402



# PORT SANITARY REPORT.

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Fleetwood,

August, 1919.

GENTLEMEN,

The health of those arriving at the Port during the year was good.

The hospital continues ready for the reception of patients suffering from Plague, Cholera or Yellow Fever. It was last used in the year 1894.

The mooring station for vessels found to be infected with Plague, Cholera or Yellow Fever has been fixed on the north side of Lune Deep, off the entrance to the River Wyre. An outside boarding station for infected or suspected ships has not yet been arranged. A steam tug, owned by the Harbour Authorities would be placed at the disposal of the Medical Officer of Health in the case of the necessity of inspecting any vessel detained in Lune Deep.

The personal relations between the officers of H.M. Customs and the Port Sanitary Authority continue to be most cordial.

The work of Port Sanitary Inspector has been carried out during the year by the Urban Sanitary Inspector. Some routine work has of necessity been curtailed, but vessels from foreign ports are all visited on arrival, and the food-stuffs landed are properly examined.

I am, Gentlemen,

Your obedient servant,

D. M. GILL, M.B., C.M.

Medical Officer of Health.



## Particulars of the Inspection of Shipping

**Table A.**—Showing the number of vessels inspected and found insanitary, arriving from Foreign and Coast-wise Ports, and also Fishing Vessels.

FOREIGN.		Inspected.		Insanitary.
Steam Vessels	...	...	5 .....	1
Sailing Vessels	...	...	9 .....	1
Steam Fishing Vessels	...	...	84 .....	25
			—	—
TOTALS	...	...	98 .....	27
COASTWISE.				
Steam Vessels	...	...	34 .....	8
Steam Fishing Vessels	...	...	80 .....	22
			—	—
TOTALS	...	...	114 .....	30
GROSS TOTALS	...	...	212 .....	57
Re-visits	...	...	35	
			—	
TOTAL INSPECTIONS...			247	

**Table B.**—Showing the Nationalities of the vessels inspected and found insanitary.

		Inspected.		Insanitary.
British	...	...	169 .....	42
Danish	...	...	36 .....	13
Norwegian	...	...	2 .....	0
Belgian	...	...	1 .....	0
U.S.A.	...	...	2 .....	1
Russian	...	...	1 .....	0
Dutch	...	...	1 .....	1
			—	—
TOTALS	...	...	212	57

**Table C.**—Giving the number and nature of the sanitary defects or nuisances found on the vessels inspected.

	No. of Cases.	No. Remedied
Forecastles requiring cleansing, painting, etc. ...	19	19
Forecastles damp from leaking decks, broken or defective deck or port light, etc. ...	16	15
Forecastles defective in ventilation ...	2	1
Forecastles defective in lighting... ...	1	1
Forecastles with dirty food Lockers ...	5	4
Forecastles infested with rats ...	2	2
Paint, etc., stored in crew's quarters... ...	4	4
Defective and dirty W.C.'s ...	7	7
Fresh water tanks requiring cleansing ...	1	1
Fresh water pump defective ...	1	1
Decks in dirty condition... ...	1	1
Offensive smell from bilge water in fore peak ...	1	1
Black smoke emitted from funnel ...	2	2
	62	59

No statutory notices were issued during the year. Informal notices, 57 in number, were given. On 55 vessels the notices were complied with; and two vessels left the Port with the notices wholly or partly not complied with, and have not since returned to the Port.

### **Vessels from Infected Ports.**

No vessel from a port infected with Plague, Cholera, or Yellow Fever arrived during the year.

### **Sickness on Vessels**

Two cases of notifiable infectious disease occurred during the year viz.—Diphtheria and Cerebro-Spinal Meningitis.

A large number of cases of Influenza occurred among the crews of trawlers during the epidemics in the Summer and Autumn. Men belonging to trawlers hailing from Reykjavik were taken to the Deep Sea Fishermen's Home in Lord Street, and there treated. Three deaths occurred among these crews from Influenza or its complications.

The following cases of sickness, injury or death were reported or ascertained,



Date	Name of Vessel.	Where from.	Sickness.	Remarks.
Jan. 3 Mar. 21	S. T. Phoebe S.S. Duke of Cumberland	Iceland Belfast	Injured leg Diphtheria	Mate suffering from injury to leg. Steward reported to be suffering from Diphtheria. He was removed to Isolation Hospital at Moss Side. The quarters in which he lived were disinfected; and bedding and clothing removed for steam disinfection.
April 8	S. T. Envoy	Sea	Pneumonia	Boatswain brought in suffering from Pneumonia and removed home.
May 13	H. M. T. John Cattling	Greenock	Cerebro Spinal Meningitis	Signalman removed to hospital said to be suffering from Rheumatic Fever, but proved to be Cerebro Spinal Meningitis. Patient died in hospital. The vessel was quarantined until bacteriological examination of contacts had been made. The quarters aboard ship were fumigated and infected bedding and clothing destroyed or disinfected by steam.
" 27 " 31	S. S. Heelsum S.S. Duke of Connaught	Rosario Belfast	Syphillis Acute Influenza	Stoker was suffering from Syphillis. Medical aid obtained. Five Stokers were reported to be suffering from acute influenza. Two went home and three were removed to the Cottage Hospital. The men's quarters aboard the ship were fumigated.
June 4	S. T. Phoebe	Iceland	Malarial Rheumatism	Report that spare hand had been treated at Westermann Island, Iceland, for Malarial Rheumatism.
" 4	S.S. Duke of Cumberland	Belfast	Syphillis	Gunner reported to have been discharged into Naval Hospital suffering from Syphillis. Clothing disinfected.
" 24	Sch. Frances Hyde	Iceland	Boils	Seaman was suffering from Boils. Medical attention was obtained
" 26	S. T. Snorri Godi	Reykjavik	Acute Influenza	Eleven cases of Influenza were reported. One man was removed to hospital.



Date	Name of Vessel.	Where from.	Sickness.	Remarks.
June 27	S. T. Eastbourne	Sea	Malaria Rheumatic Fvr. Influenza	Steward was suffering from Malaria, and third hand was suffering from Rheumatic Fever. Four cases of Influenza were reported.
July 2	S. T. Heather	Sea	Acute Influenza	Four cases of Influenza reported.
" 2	S. T. Chancellor	Sea	do.	Six cases of Influenza reported.
" 3	S. T. Sunrise	Sea	do.	Two cases of Influenza reported. Quarters were disinfected at request of owner.
" 3	Sch. Francis Hyde	Iceland	do	Three cases of Influenza were reported.
" 3	H. M. D. Mary Slater	Sea	do.	All of the crew said to have suffered from Influenza. Skipper removed to Cottage Hospital. Mate afterwards died of Pneumonia. Quarters disinfected.
Aug. 14	S. T. J. Bael's Mauricx	Iceland	Injury	Five men were suffering from flesh wounds received during attack by U. Boat.
Aug. 14	S. T. Mannofield	Iceland	Injury	Gunner suffering from injuries received during attack by U boat.
Nov. 10	S. T. Islandingur	Sea	Influenza	Seven met were suffering from Influenza. Medical treatment obtained.
" 10	S. T. Helgi Magri	Iceland	do.	Nine men were suffering from Influenza. Medical treatment had been obtained. Removed to Seamen's Home for Treatment.
" 10	S. T. Tayside	Sea	do.	Mate was said to be suffering from Influenza.
" 16	S. T. Skallagrímur	Iceland	do.	Ten men found to be suffering from Influenza. Removed to Seamen's Home for treatment.



## Public Health (Regulations as to Food) Act, 1907. Unsound Food Regulations.

Action was taken in 61 cases under the Unsound Food Regulations ; of these, 49 were in respect of Fish. The fish were detained in 48 cases on account of unsoundness, and in one case was diseased. The fish were landed from steam trawlers in 31 cases ; in one case was ex-rail ; seven cases were fish out of carrier steamers, and 10 cases referred to fish from curing houses—nine in respect of herrings and one in respect of salt fish.

Ten cases referred to animals from the Belfast Steamers ; one case to a quantity of unsound potatoes, which were allowed to be used as pig-food, and a consignment of game (153 cases of ptarmigan) stored at Wyre Dock, were found to be in an unsound condition and were destroyed, a Justice's Order being obtained.

The number of catches of fish landed and examined was *1187* , and several cargoes of mackerel. Wet salt fish to the extent of 3,058 bales ; dried salt fish to the extent of 2,543 tons ; and 31,326 packages of herrings, 16,933 barrels cured herrings, 29,550 packages of kippers, and 179 cases of cod, coalie, etc. were landed.

According to the figures given by the Superintendent of the Lancashire and Western Sea Fisheries Committee, the weight and values of fish landed at Fleetwood were as follows, viz. :—

		Values.		Weights
		£		cwts.
Wet Fish	... ..	1,371,038	...	361,468
Shell Fish	... ..	610	...	1,120
		<hr/>		<hr/>
		1,371,648		362,588
		<hr/>		<hr/>
TOTALS FOR 1917		£885,086	...	283,917

Particulars of other food stuffs landed are given :—

Wheat ...	...	...	...	2,152 tons
Oats ...	...	...	...	808 „
Lard ...	...	...	...	200 boxes
Bacon ...	...	...	...	400 „
Fish Oil was landed in three cases.				

### **Report of Work in Port District.**

#### **FISH CURING HOUSES.**

During the year 31 visits were made to Fish Curing Houses. The number of premises engaged in the trade at the end of the year was seven.

I am, Gentlemen,

Your obedient servant,

T. R. BAILEY,

Port Sanitary Inspector pro. tem.

Unsound Food Regulations.—Table showing total quantities of different varieties of Fish forfeited and destroyed in each month, for Year Ending December 31st, 1918.

Month	Haddocks	Cod and Codling	Whiting	Skate and Roker	Fresh Herrings	Cured Herrings	Cured 'Red' Herrings	Kippers	Mackerel	Halibut	Dabs	Megrimms	Gurnets	Bream	Dog-fish	Coal-fish	Cray-fish	Roes	Mixed Fish	Salt Fish	Total for each month		
																					cwts.	qrs.	lbs.
Jan. ....	4	4	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	0	0
Feb. ....	..	..	..	3½	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	2	0
Mar. ....	..	7½	..	..	4½	..	..	6½	..	..	..	..	..	..	..	..	..	..	½	..	45	0	0
April .....	..	3	..	1½	..	35	..	..	..	..	13	..	..	..	..	2½	30	..	..	..	10	3	0
May .....	..	..	..	..	..	19	..	..	3¾	..	1½	..	41½	..	1½	..	..	..	..	4½	89	3	0
June .....	1½	..	..	..	1½	28½	60	..	..	..	..	..	4½	..	..	..	..	..	..	..	21	2	0
July .....	74	38¾	..	¾	..	..	..	..	..	¾	..	..	..	..	7¾	..	..	..	..	..	137	1	0
Aug. ....	7	..	4¾	¾	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	125	0	0
Sept.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	0	4
Oct. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	100	103	0	0
Nov. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	—
Dec. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals of each kind of Fish during year.	86 cwts. 1 qrs. 0 lbs.	53 1 0	4 3 0	5 2 14	51 3 0	82 2 0	60 0 0	6 1 0	3 3 0	3 0 0	14 1 0	1 1 0	45 3 0	3 0 0	9 0 0	2 2 0	30 0 0	2 0 0	0 2 0	4 2 0	100 0 0	565 2 14	

**Table showing the quantities of other Food Stuffs destroyed during the Year ending  
December 31st, 1918.**

Date	Description	W'ght in lbs.	Why Condemned	Where from	Seized or Forfeited	How disposed of
1918 Jan. 9	Carcass & Organs of one Bullock	300	Asphyxiated	Belfast	Surrendered by Railway Co.	Destroyed at Refuse Destructor
" 31	Beef	51	Bruised	do.	do.	do.
Apr. 12	Beef	25	do.	do.	do.	do.
"	Two Goats	80	Asphyxiated	do.	do.	do.
"	One Beast Liver	10	Fluked	do.	do.	do.
June 8	Carcass & all Organs of one sheep	50	Asphyxiated	do.	do.	do.
July 2	Carcass & all Organs of one Lamb	35	do	do.	do.	do.
August	Lungs of a Bullock	6	Tuberculosis	do.	do.	do.
Sep. 7	Carcass of one Lamb and all Organs	40	Asphyxiated	do.	do.	do.
" 20	Carcass & all Organs of two sheep	58	do.	do.	do.	do.
June 12	3½ cwts. Potatoes	392	Unsound	ex S. S. Winnifred Iceland	do.	Allowed to be used for Pig-food Cremated
Dec. 13	153 Cases Ptarmigan	9000	do.		Seized	

